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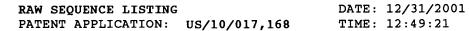
DATE: 12/31/2001 RAW SEQUENCE LISTING TIME: 12:49:21 PATENT APPLICATION: US/10/017,168

Input Set : A:\pto.vsk.txt

Output Set: N:\CRF3\12312001\J017168.raw

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              Prevention
      5
              Liu, Hsi
      6
              Steiner, Bret
              Berta, Rodes
     10 <120> TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR DETECTING TREPONEMA PALLIDUM
     12 <130> FILE REFERENCE: 6395-61666
C--> 14 <140> CURRENT APPLICATION NUMBER: US/10/017,168
C--> 14 <141> CURRENT FILING DATE: 2001-12-14
     14 <150> PRIOR APPLICATION NUMBER: PCT/US00/16425
     15 <151> PRIOR FILING DATE: 2000-06-14
     17 <150> PRIOR APPLICATION NUMBER: US 60/138,981
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     20 <160> NUMBER OF SEQ ID NOS: 26
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Input Set : A:\pto.vsk.txt

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80 Val Val Ile	Gly His	Ala Gly	Ile Pro	Gly Let	u Leu Va	l Ser Le	ı Ala	
81 30			35		40)		
83 ccc gct gct	gca gca	cag ctt	ggg att	ggc gta	a tac ca	a gct gt	g cgt	1095
84 Pro Ala Ala	Ala Ala	Gln Leu	Gly Ile	Gly Val	l Tyr Gl	n Ala Va	l Arg	
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87 gta cgc gta	cgt acc	ttg ggt	acc gtg	cgc ggt	t ggg to	t caa ac	a agt	1143
88 Val Arg Val	Arg Thr	Leu Gly	Thr Val	Arg Gly	y Gly Se	r Gln Th	r Ser	
89 60	1	65		70			75	
91 cag gac gga	-	-	_	_				1191
92 Gln Asp Gly	Leu Ser	Leu A <u>la</u>	Ser Leu	Pro Sea	r Arg Va	l Pro Ala	a Arg	
93	80			85		90		
95 ccc gcg cag		_		-				1239
96 Pro Ala Gln	Arg Asp	Pro Leu	Ser Ser	Pro Pro	o Ala Gl	y His Th	r Val	
97	95		100			105		
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105 125		130			135			
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108 Ser Glu Ar	g Glu Gly		Arg Gl			la Pro L		
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111 gtg gag co								1431
112 Val Glu Pr		Glu Arg	Glu Gl		lu Arg G			
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120 Glu Val Gl	=	Pro Lys		l Glu Pi			rg Glu	
121 19			195			00		
123 gga ggg ga								1575
124 Gly Gly Gl	u Arg Glu			r pro r		al Glu P	ro Ala	
125 205		210			215			1.000
127 tct gag cg								1623
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129 220		225			30 -		235	1671
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		~~~		245	~+ ~-~ -		50	1710
135 gcg ccg aa								1719
136 Ala Pro Ly 137	s var var 255	GIU Pro	26)		ig Giu G		ra wid	
					~~ ~~~ -	265	** ~~~	1767
139 gag gtg ga								1/0/
140 Glu Val Gl	u Asp Ala	PLO TAS	var va.	r Gru Pi	LO ALA S	er Glu A	ig Giu	

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Input Set : A:\pto.vsk.txt

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148	Ser Glu Ar	g Glu Gly	Gly Glu	Arg Glu	Val Glu	Asp Val	Pro Lys Val	
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156	Val Pro Ly	s Val Val	Glu Pro	Ala Ser	Glu Arg	Glu Gly	Gly Glu Arg	
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163	gga ggg ga	g cgt gag	gtg gag	gac gtg	ccg ggg	gta gtg	gag ccg gcc	2055
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172	Val Glu Pr	o Ala Ser	Gly His	Glu Gly	Gly Glu	Arg Glu	Val Ala Ser	
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		_	•		_		cg gtcctgtcc	
							ca aggacgcct	
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							aga cttaactat	
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Input Set : A:\pto.vsk.txt

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			EQUE													
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220					5					10					15	
223	Ser	Asn	Leu	Glu	Lys	Asn	Ala	Lys	Ala	Gln	Ala	Val	Val	Ile	Gly	His
224				20					25					30		
227	Ala	Gly	Ile	Pro	Gly	Leu	Leu	Val	Ser	Leu	Ala	Pro	Ala	Ala	Ala	Ala
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239	Leu	Ala	Ser	Leu	Pro	Ser	Arg	Val	Pro	Ala	Arg	Pro	Ala	Gln	Arg	Asp
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247	Thr	Val	Ile	Phe	Asp	Asp	Pro	Arg	Leu	Val	Ser	Pro	Leu	Ser	Arg	Glu
248			115					120					125			
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280		_		_	245		_			250	_			_	255	
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291	Val	Glu	Asp	Val	Pro	Lys	Val	Val	Glu	Pro	Ala	Ser	Glu	Arq	Glu	Gly
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	Pro	Lvs	Val		Glu	Pro	Ala	Ser		Ara	Glu	Glv	Glv		Arσ	Glu
308		_1 _	355					360				1	365		3	
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RAW SEQUENCE LISTING DATE: 12/31/2001 PATENT APPLICATION: US/10/017,168 TIME: 12:49:21

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		l> Li															
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		1> N			CDS												
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		3> 0!				-	-										
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		1> N			misc	c fea	ature	2									
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369	Pro	Leu	Ser	Ser	Pro	Pro	Ala	Gly	His	Thr	Val	Pro	Glu	Tyr	Arg	Asp	
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VERIFICATION SUMMARY

DATE: 12/31/2001

PATENT APPLICATION: US/10/017,168

TIME: 12:49:22

Input Set : A:\pto.vsk.txt

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L:14 M:270 C: Current Application Number differs, Replaced Current Application No L:14 M:271 C: Current Filing Date differs, Replaced Current Filing Date